

FIG. 1A

(Prior Art)

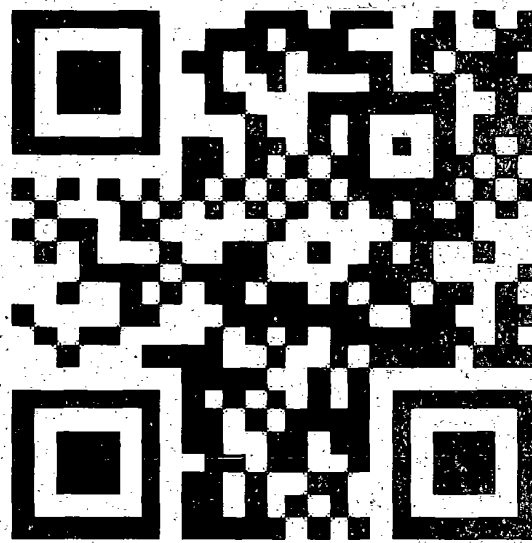


FIG. 1B (Prior Art)

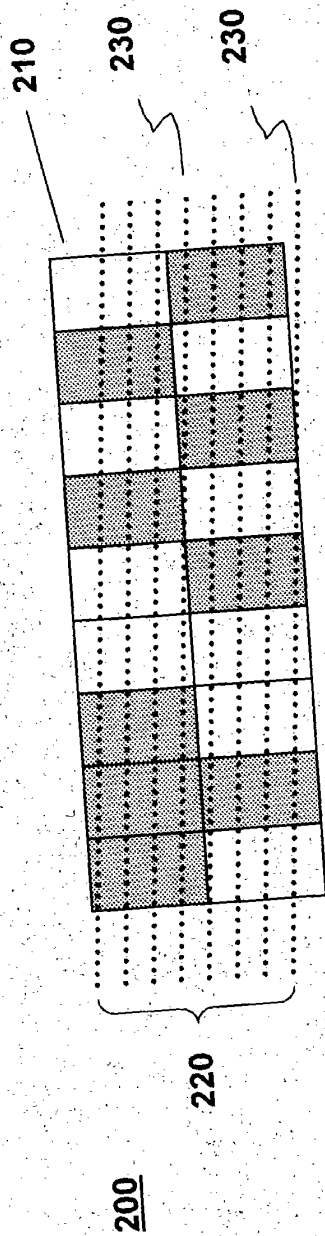


FIG. 2

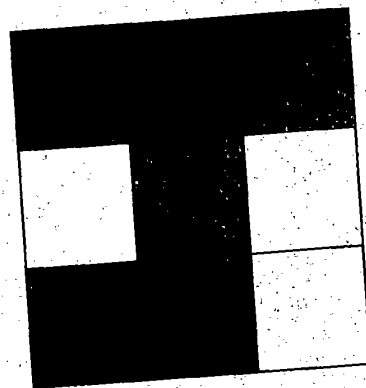
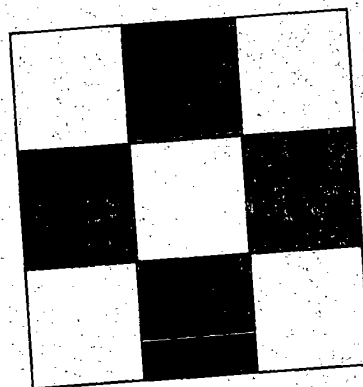


FIG. 3



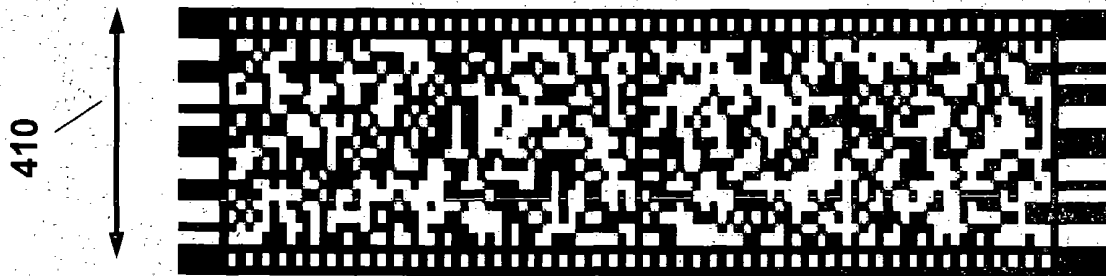


FIG. 4

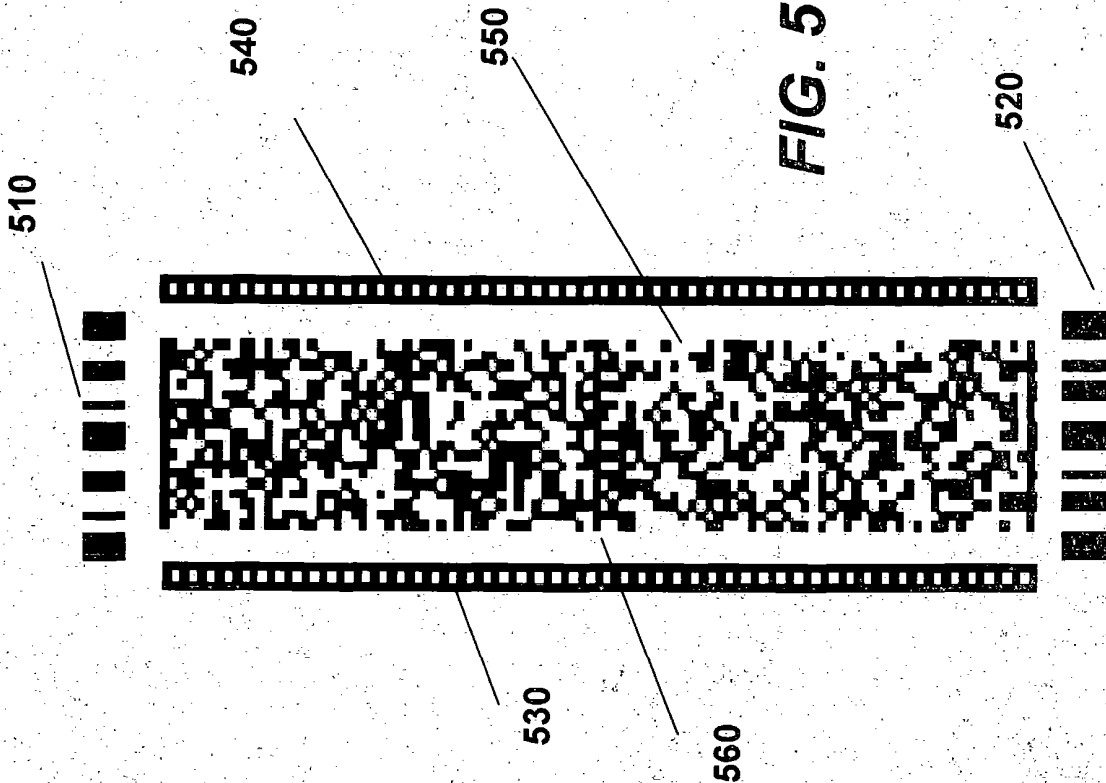


FIG. 5

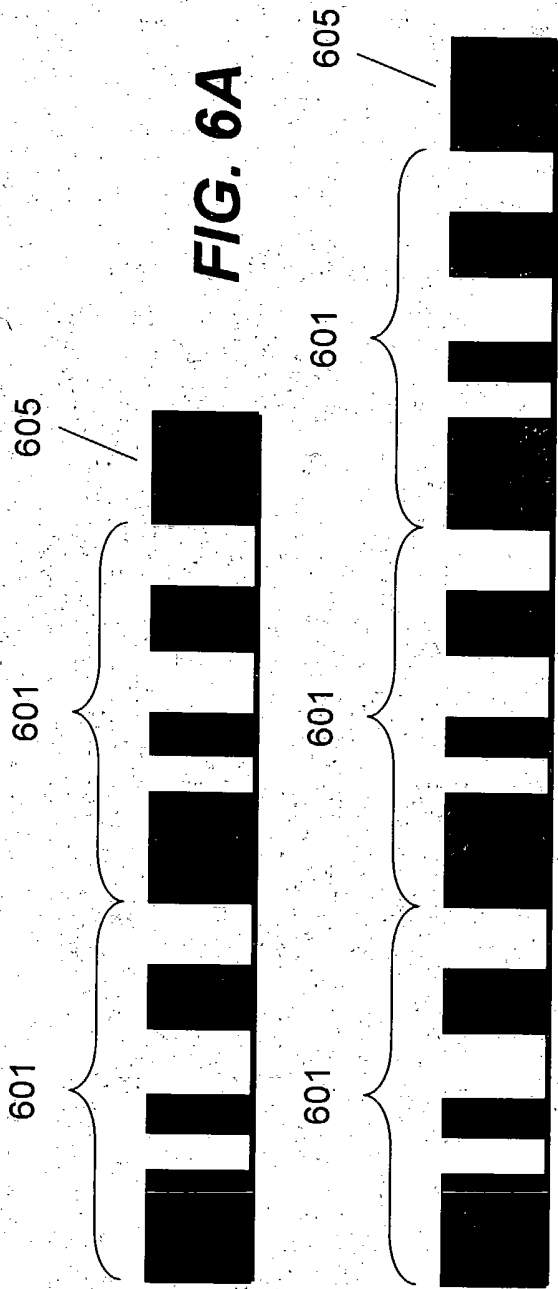
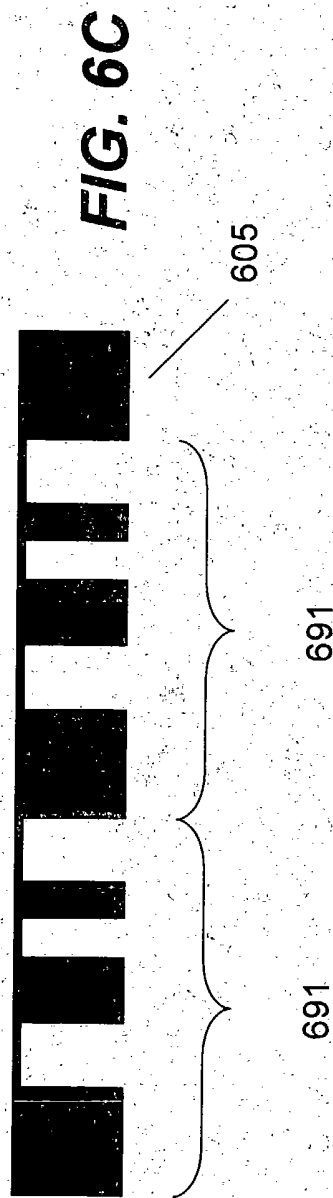


FIG. 6B



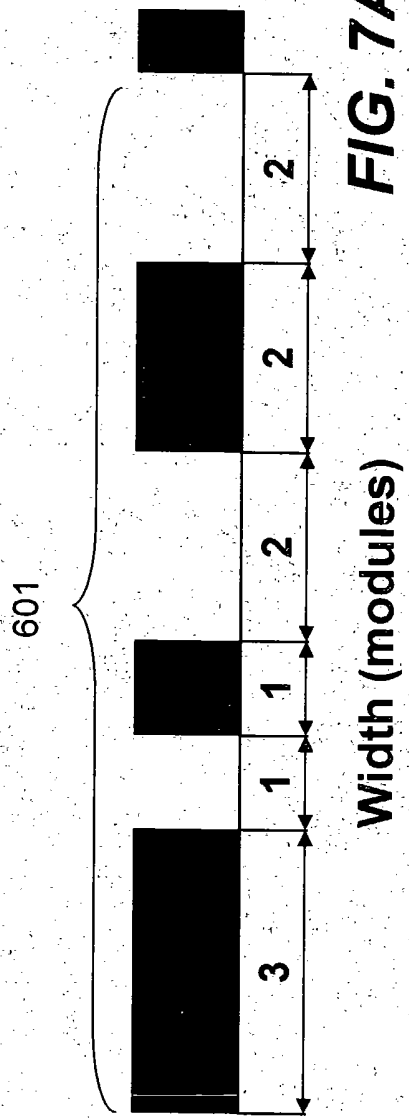


FIG. 7A

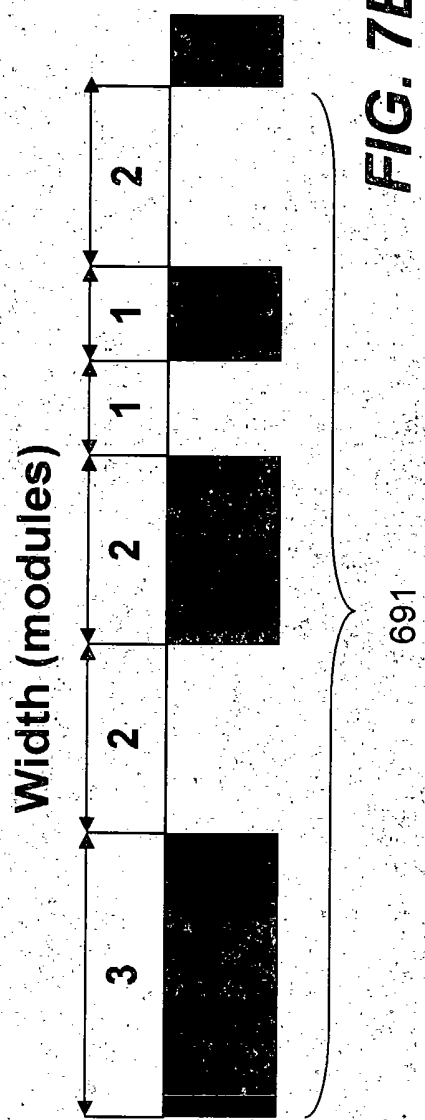


FIG. 7B

601

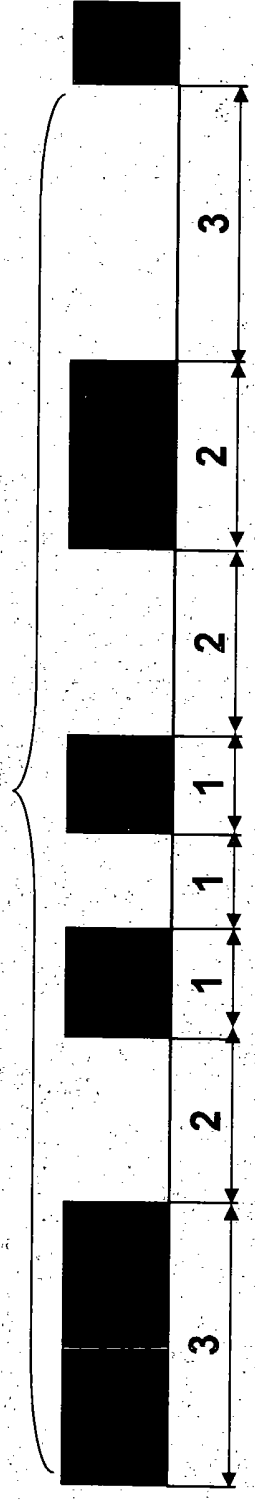
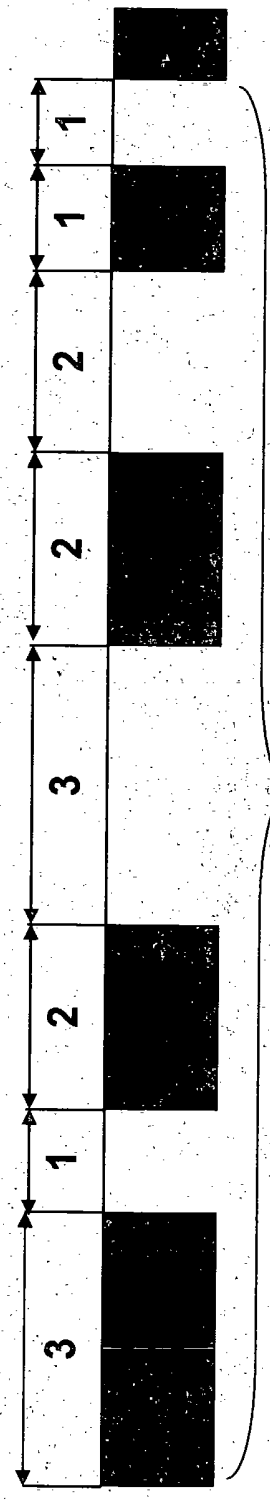


FIG. 7C

Width (modules)

Width (modules)



691

FIG. 7D

Error Correction Level	Data Codeword	Error Correction Codeword	Max. Allowable Error
1	119	8	4
2	111	16	8
3	95	32	16
4	63	64	32

FIG. 8

A1	A2	A3	A127
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B1	B2	B3	B127
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C1	C2	C3	C127
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A1	B1	C1	A2	B2	C2	A127	B127	C127
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FIG. 9A

a4	a3	a2	a1	a0	e0	e1	e2	e3	e4	e5	e6	e7	e8	e9
b4	b3	b2	b1	b0	e0	e1	e2	e3	e4	e5	e6	e7	e8	e9
c4	c3	c2	c1	c0	e0	e1	e2	e3	e4	e5	e6	e7	e8	e9

FIG. 9B

A3	A2	B3	B2	D3	D2	E3	E2	G3	G2	H3	H2	J3	J2	K3	K2	M3	M2	N3	N2	
A1	A0	B1	B0	D1	D0	E1	E0	G1	G0	H1	H0	J1	J0	K1	K0	M1	M0	N1	N0	
C3	C2	C1	C0	F3	F2	F1	F0	I3	I2	I1	I0	L3	L2	L1	L0	O3	O2	O1	O0	

FIG. 9C

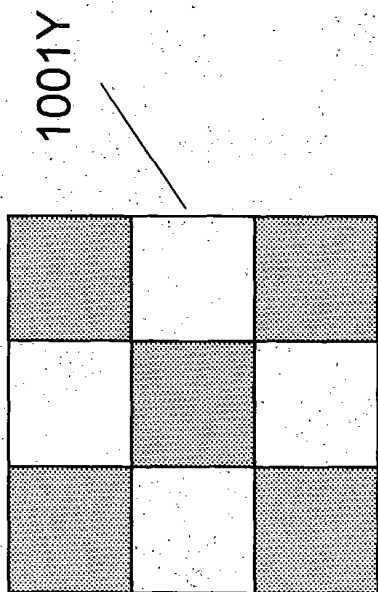
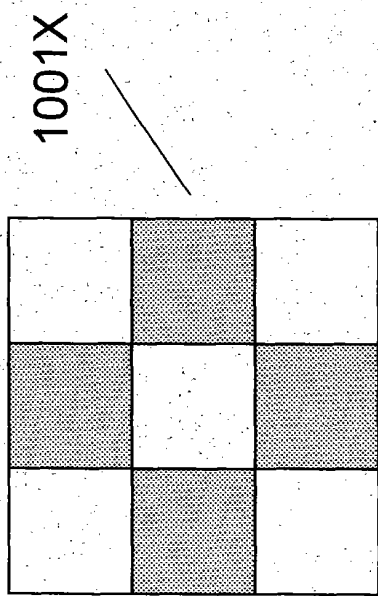


FIG. 10A.1

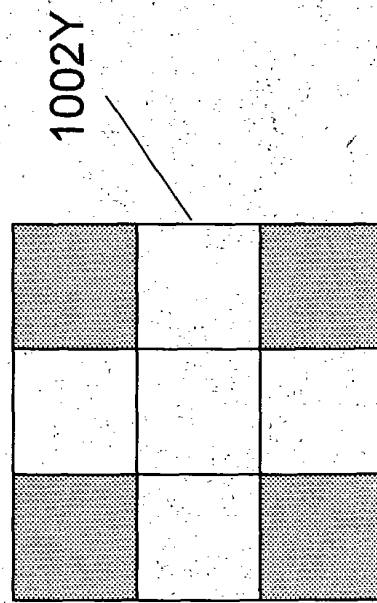
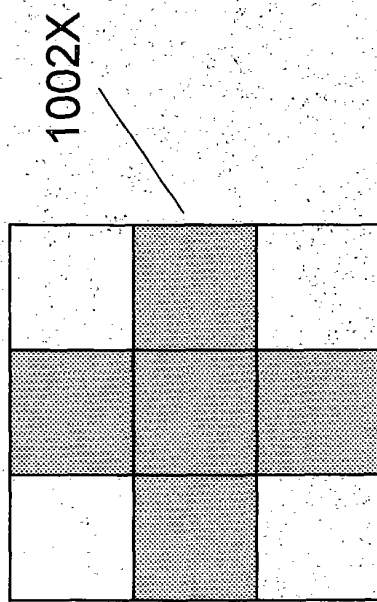


FIG. 10A.2

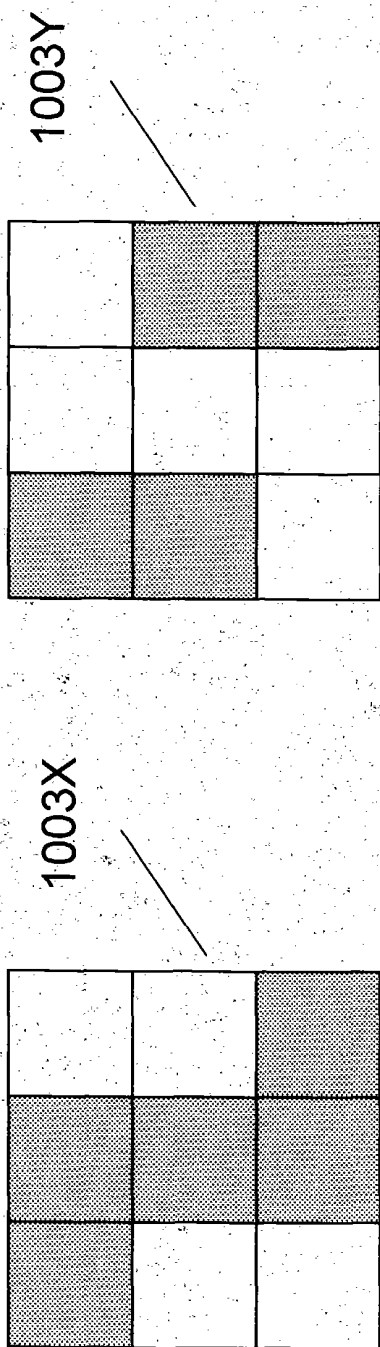


FIG. 10A.3

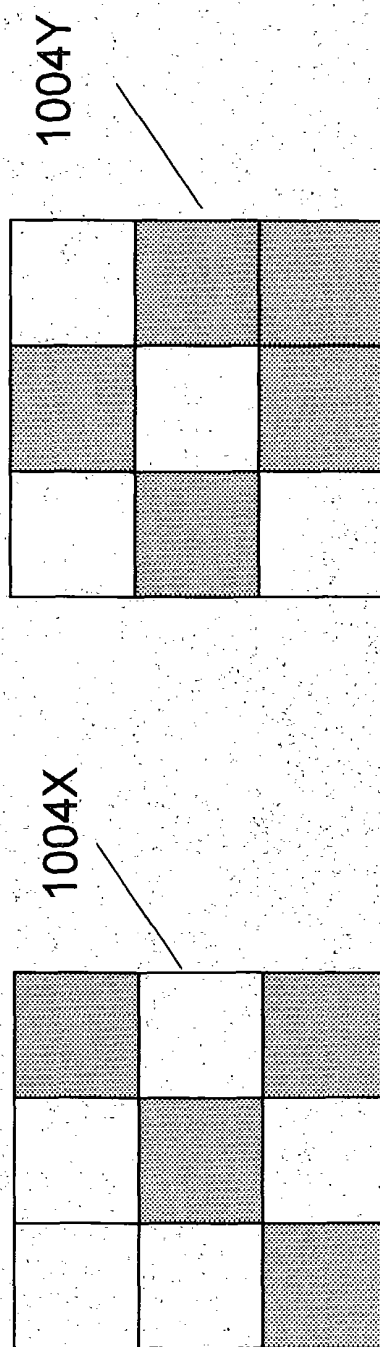


FIG. 10A.4

X	Y	X	Y	X
Y	X	Y	X	Y
X	Y	X	Y	X
Y	X	Y	X	Y

FIG. 10B

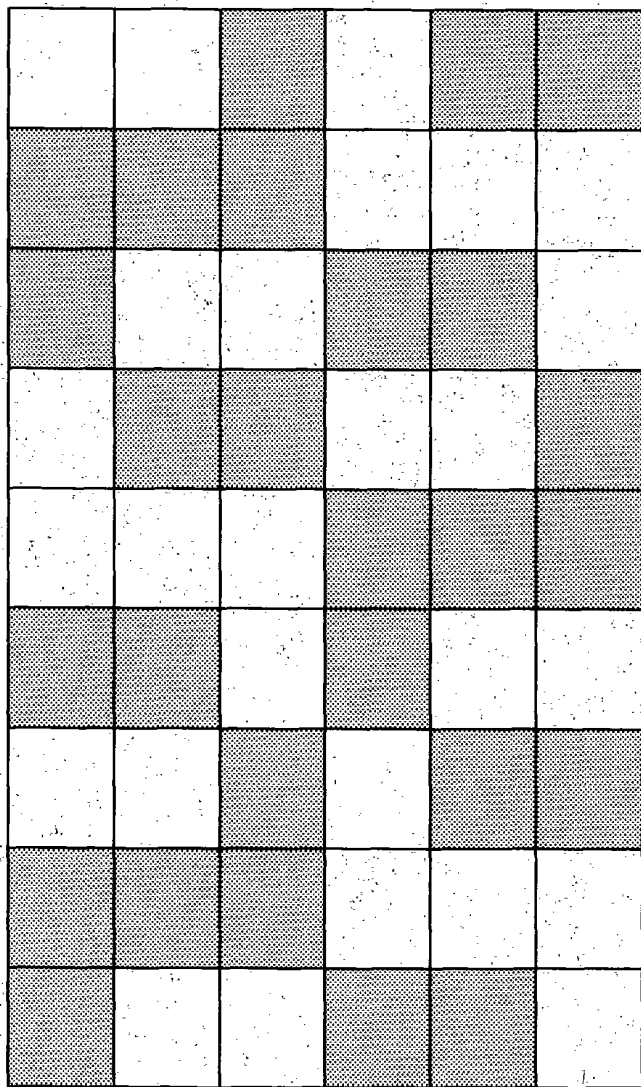


FIG. 10C

Process of
Encoding 1100

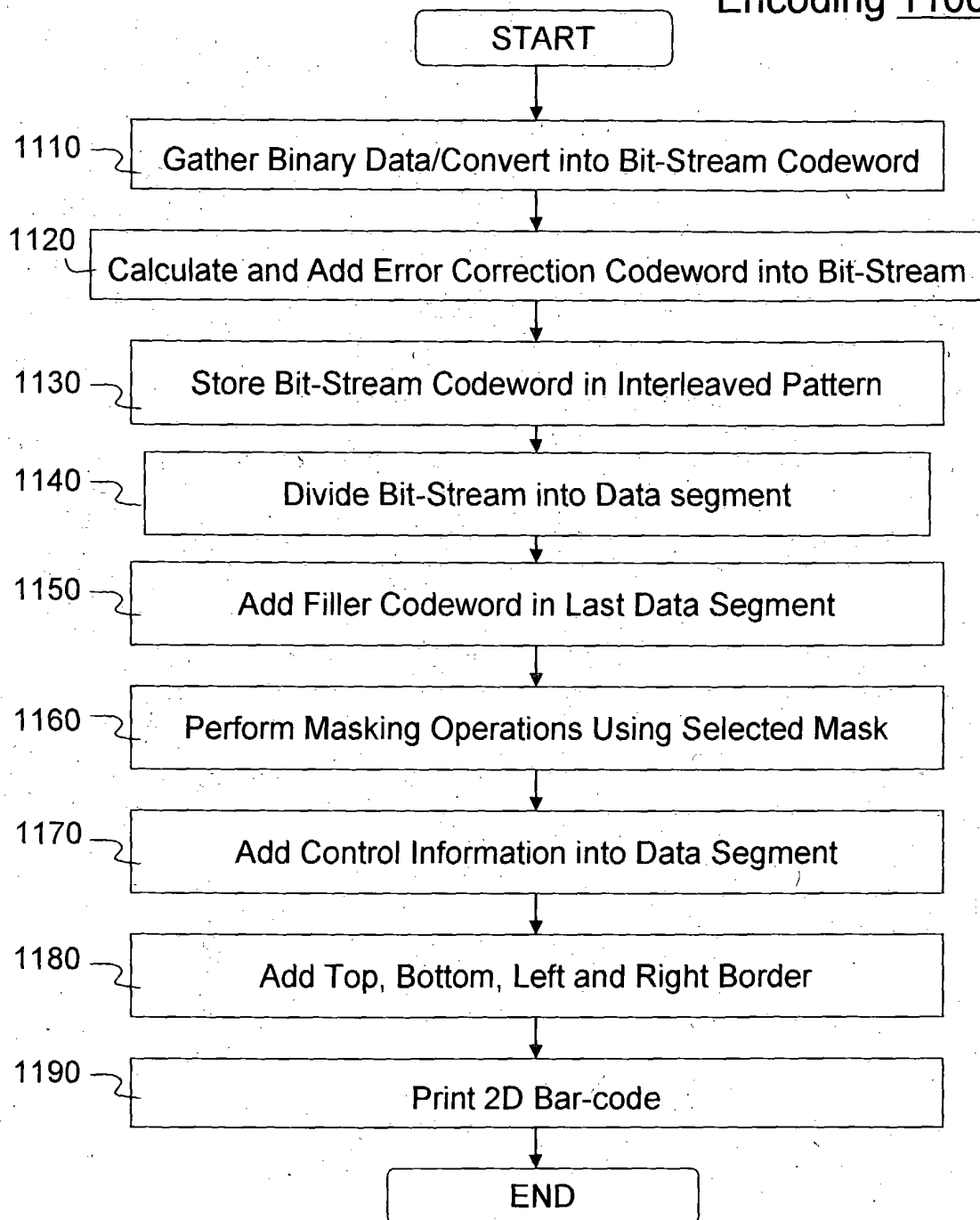


FIG. 11

Process of
Decoding after
Scanning 1200

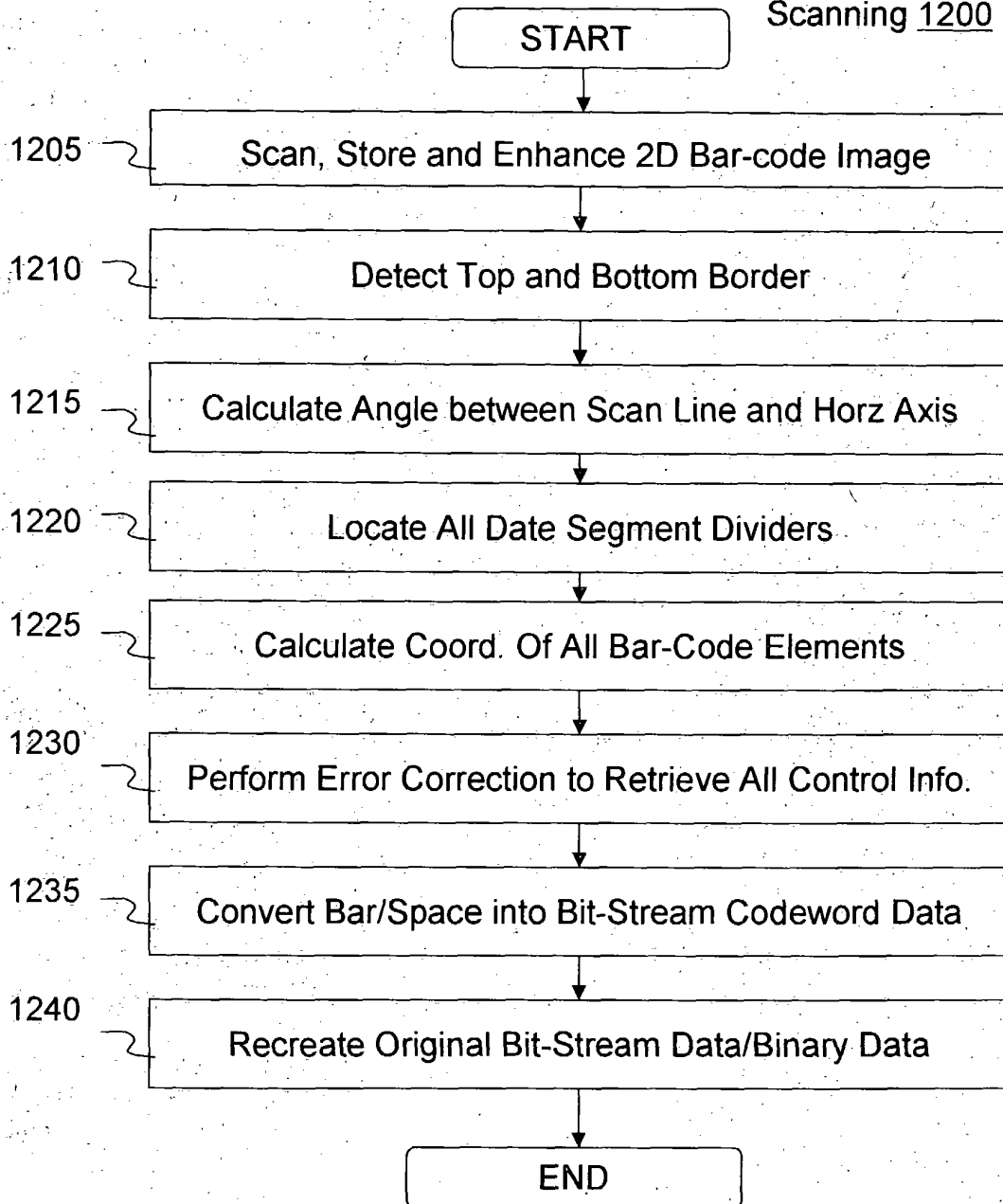


FIG. 12A

Process of Decoding
While Scanning
1250

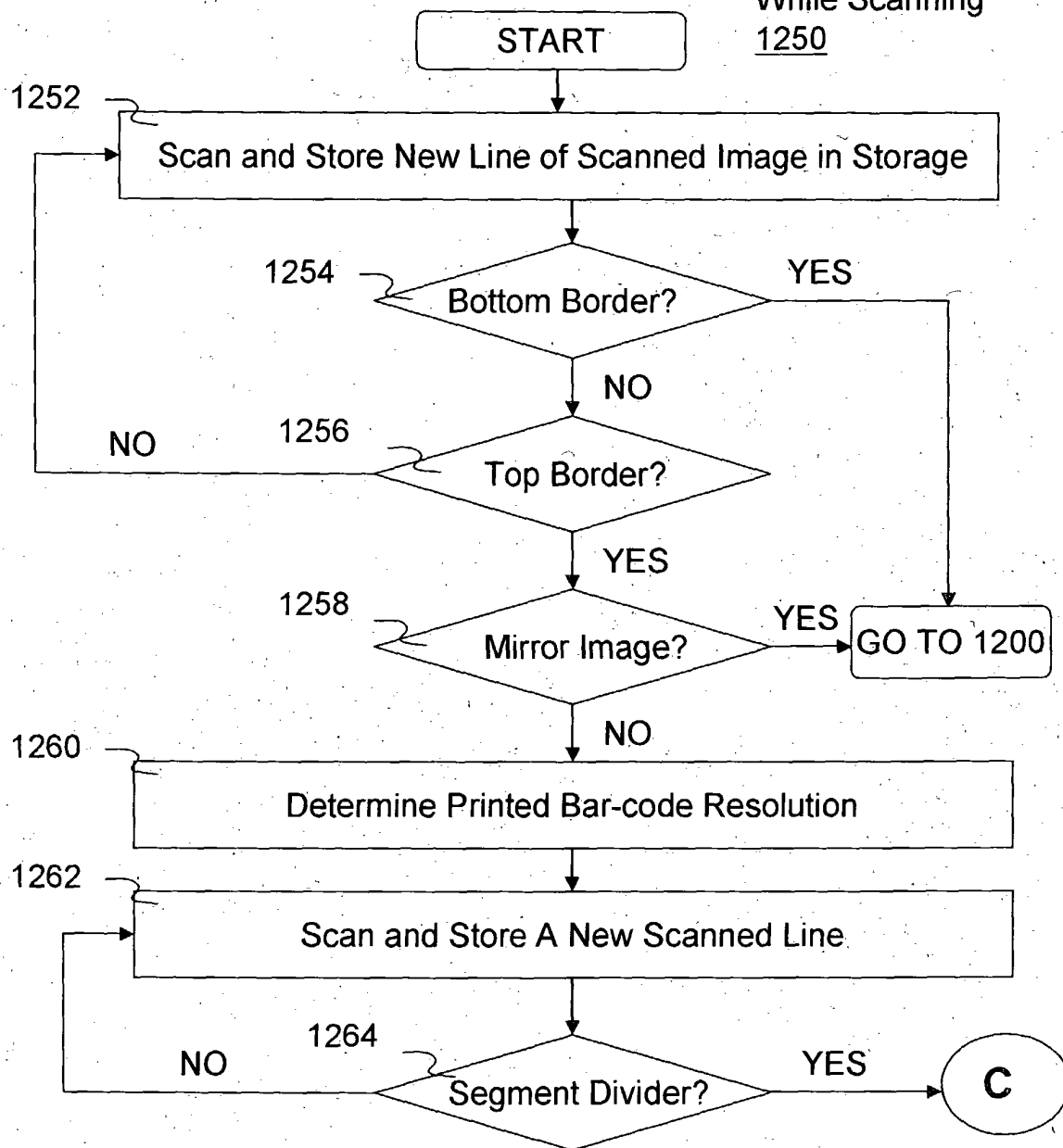


FIG. 12B

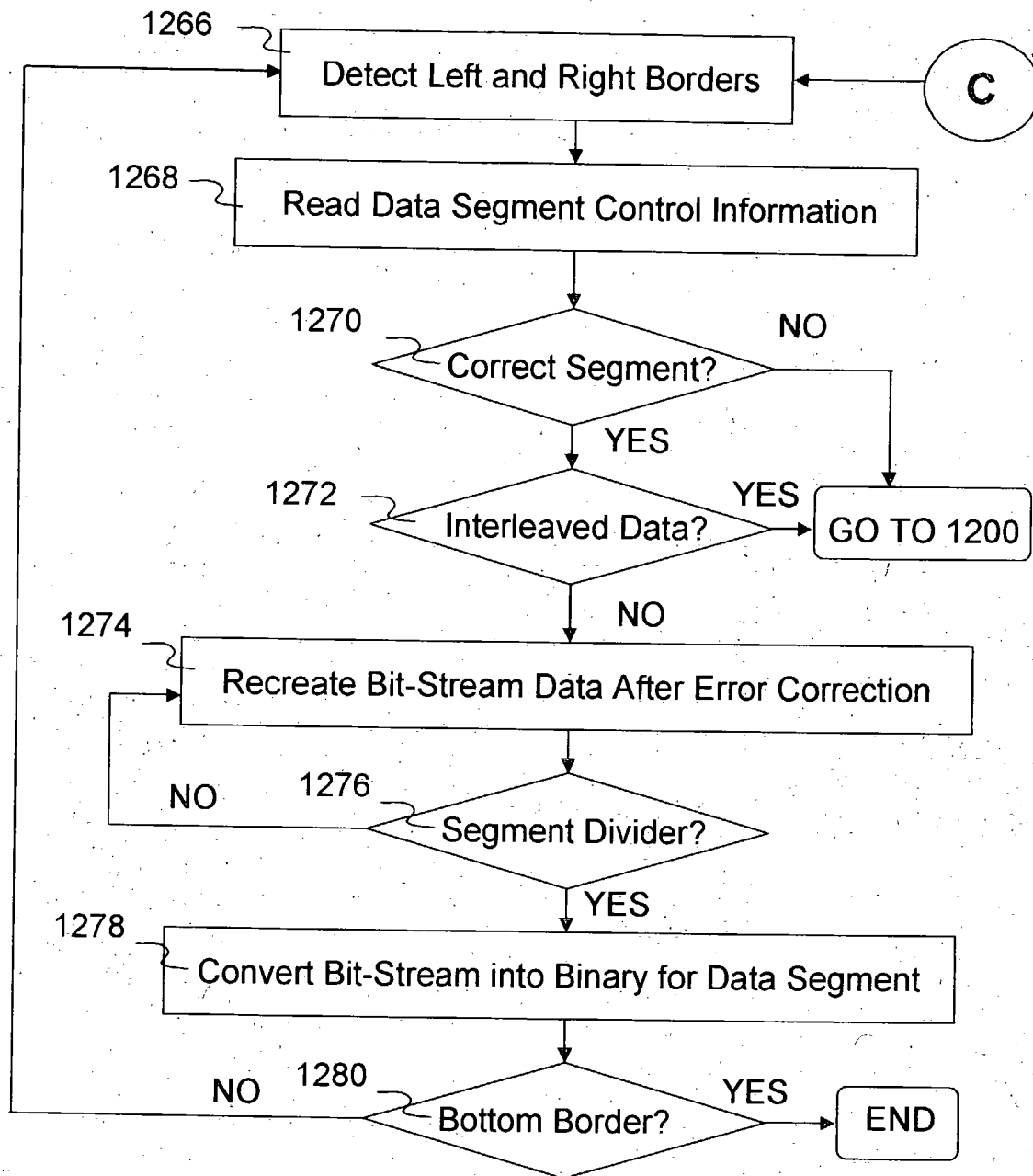


FIG. 12C

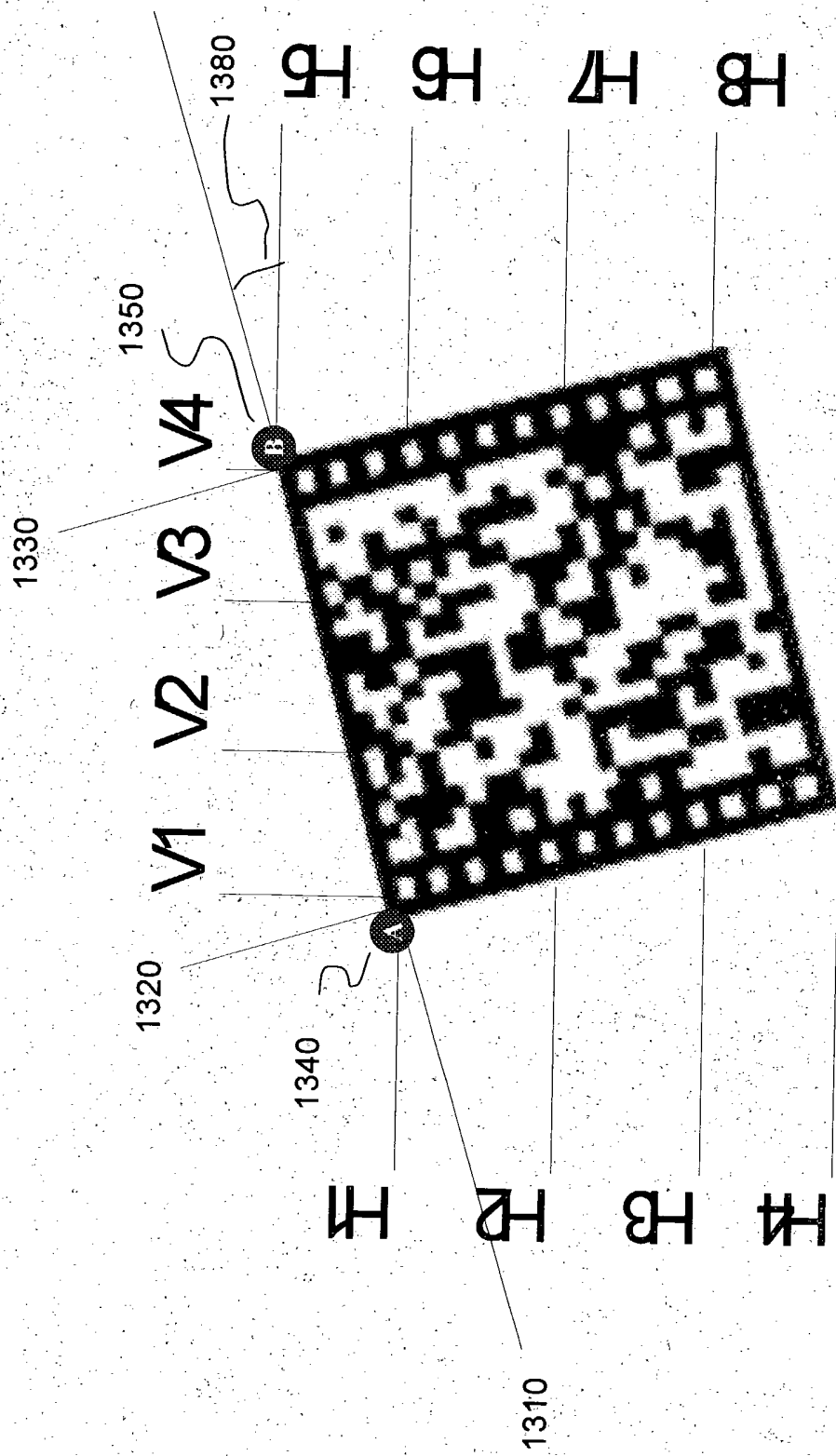


FIG. 13



FIG. 14A

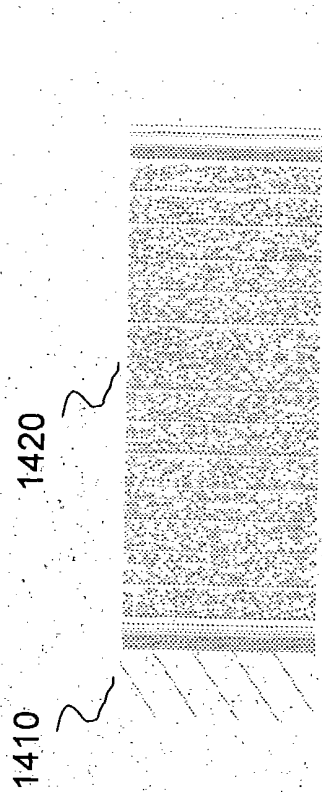


FIG. 14B

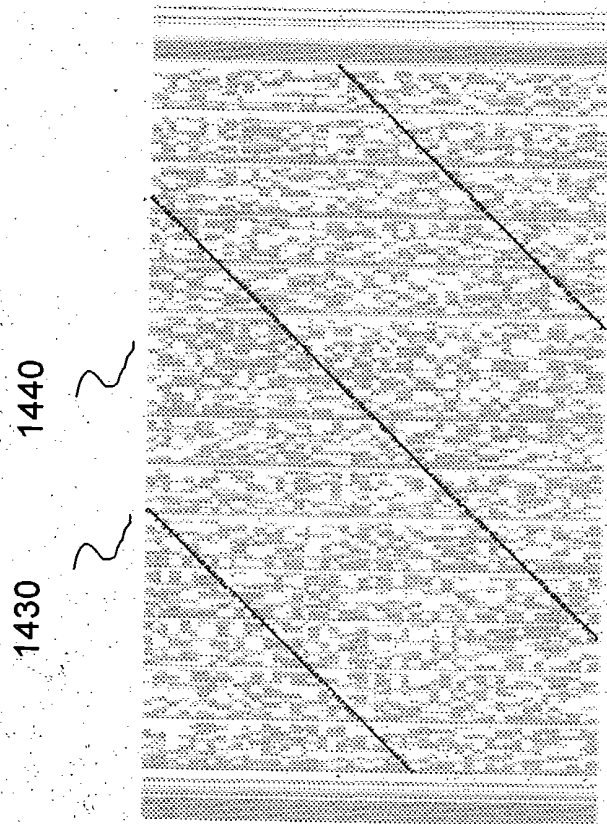


FIG. 14C

1520



1510

FIG. 15

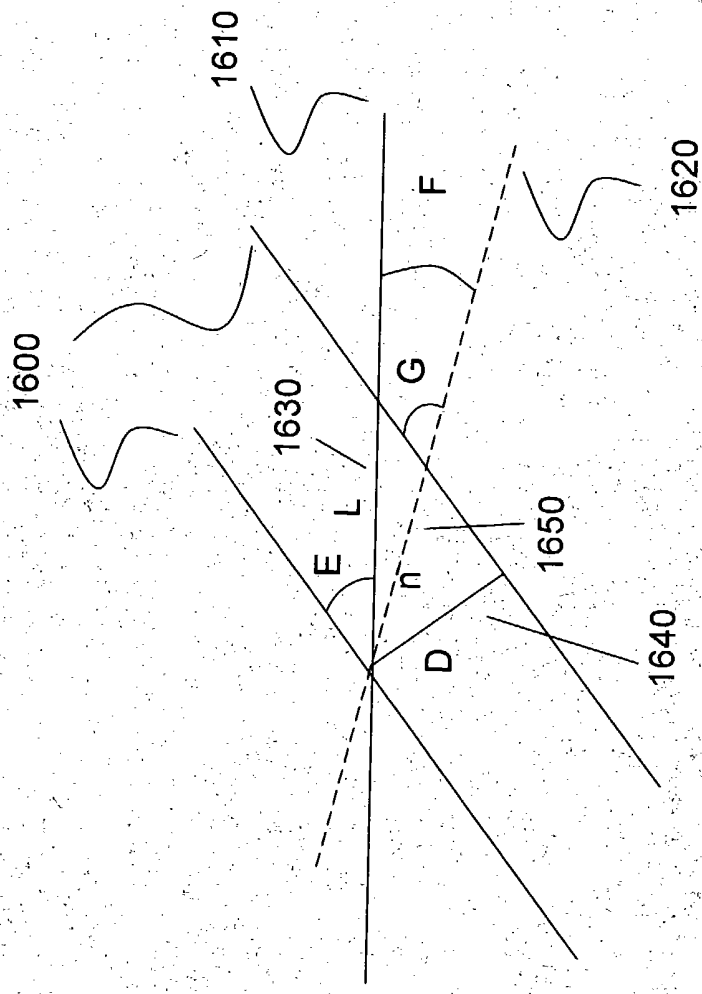


FIG. 16

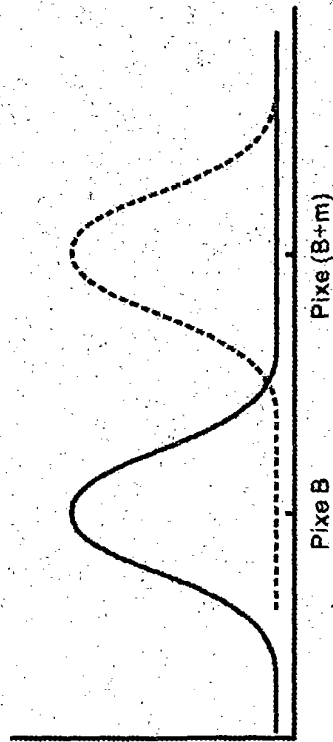


FIG. 17A

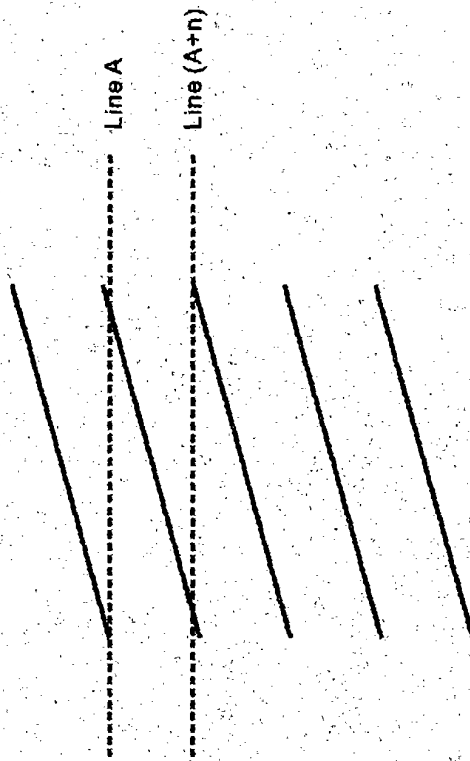


FIG. 17B

8	12	408 pixels	12	8
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FIG. 18

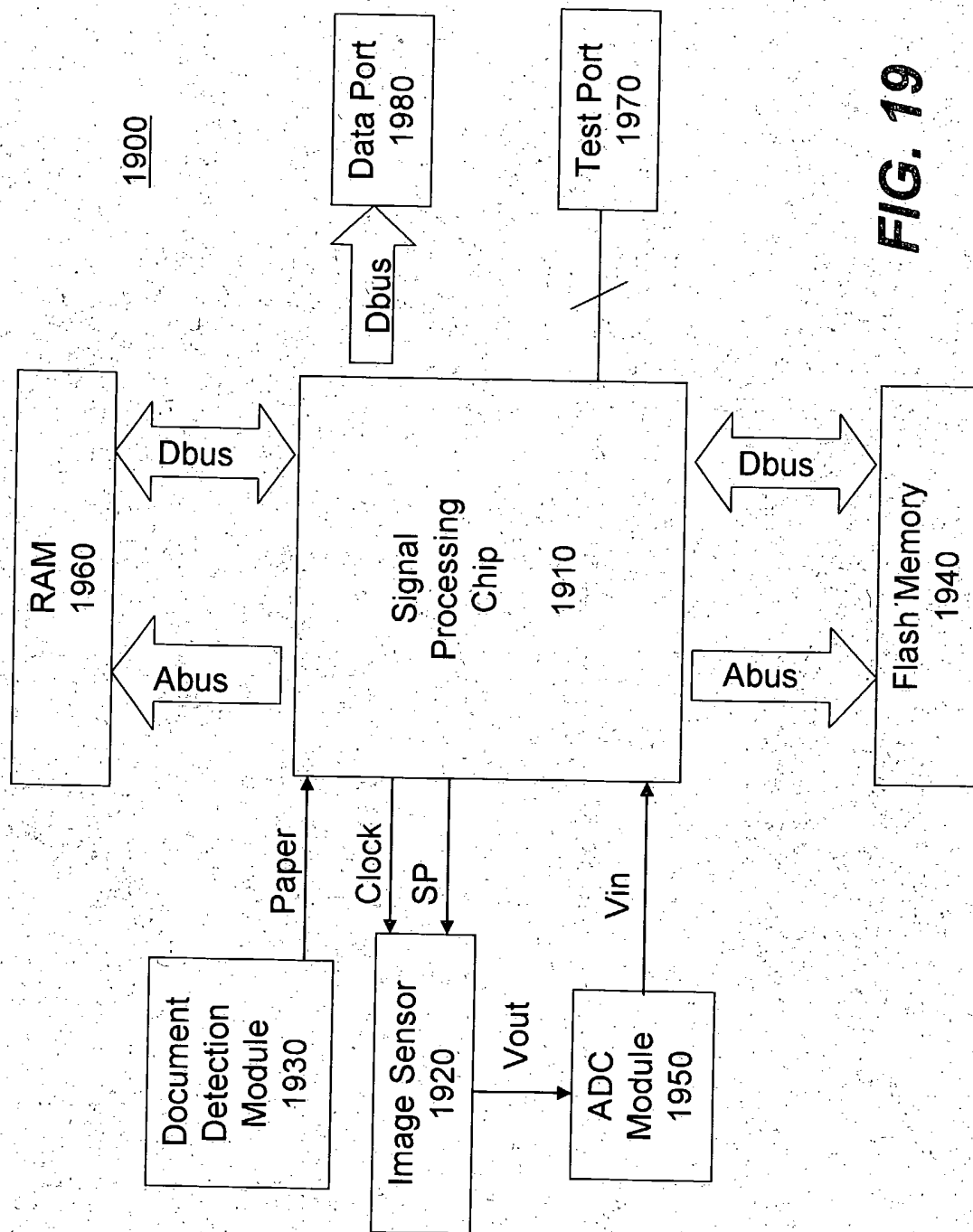


FIG. 19